

ABSTRACT OF THE DISCLOSURE

A method and apparatus for performing channel equalization in a communication system may potentially reduce power consumption in channel equalizers of communication systems. A filtering circuit filters a received data sequence as a plurality of data values to be stored in a plurality of filter cells. Each filter cell may store at least one data value and may contain a coefficient related to the stored data value. A coefficient updating circuit may update the coefficients based on at least one parameter, and may compare the updated coefficients to a threshold. Based on the comparison, filter cells of selected coefficients may be selected for restoring the received data sequence to its original state.